Linux

Rh124 - Red Hat System Administration I

- Accessing the Command Line
- Managing Files from the Command Line
- Getting help in Red Hat Enterprise Linux
- Creating, Viewing and Editing Text Files
- Managing Local Linux Users and Groups
- Controlling Access to Files
- Monitoring and Managing Linux Processes
- Controlling Services and Daemons
- Configuring and Securing OpenSSH Service
- Analyzing and Storing Logs
- Managing Red Hat Enterprise Linux Networking
- Archiving and Copying Files Between Systems
- Installing and Updating Software Packages
- Accessing Linux File Systems
- Analyzing Servers and Getting Support

Rh134 - Red Hat System Administration II

- Installing Red Hat Enterprise Linux
- Improving Command Line Productivity
- Scheduling Future Linux Tasks
- Managing Priority of Linux Processes
- Controlling Access to Files with Access Control Lists (ACLs)
- Managing SELinux Security
- Maintaining Basic Storage
- Managing Logical Volume Management (LVM) Storage
- Implementing Advanced Storage Features

Rh294 - Red Hat System Administration III

- **Introduction to Ansible**
- **Deploying Ansible**
- **Implementing Playbooks**
- **Managing Variables and Facts**
- **Implementing Task Control**
- **Deploying Files to Managed Hosts**
- **Managing Large Projects**
- **Simplifying Playbooks with Roles**
- **Troubleshooting Ansible**
- **Automating Linux Administration Tasks**

Introduction to Git

1 **What is Version Control System?**

2 **What is Git**

3 **Git Commands - initialize, status, add, comment, clone, pull, push, difference, reset, log, show, tag, stash, remove.**

4 **Advance git operations: Branching, merging, rebasing, merge vs rebase, conflict resolving, deleting remote repositories, fork operation.**

5 **Github and its uses.**

Services

1 DNS server configuration

2 DHCP server configuration

3 HTTP, HTTPS Server configuration

Shell Scripts

1 Introduction to shell scripting

2 Use cases of shell scripts

3 How to write simple scripts and execute it.